

**Brookhaven National Laboratory
RADIOLOGICAL WORK PERMIT**

RWP # 02-02

Start Date: August 1, 2002

- ☒ Job Specific
☐ Standing /General

End Date: July 31, 2003

(Shaded areas 1 through 8 to be completed by requestor/initiator)

Revised End Date:

1. Initiator: Raymond Karol	2. Life #:15065	3. Phone: 5272	4. Bldg: 911A
5. Job Location(s): Posted High Radiation Primary Beam Areas: Bldg. 930 LINAC Tunnel (Excluding the BLIP Beam Line), Building 942 (Booster Ring), And Building 913 (AGS Ring).			
6. Job Description (Attach sheets as needed): <i>Routine Entry for Inspections, Data Collection, Tours, and Routine Work Activities Performed by a System Specialist.</i>			
6a. Work Begins: 08-01-02		6b. Work Ends: 07-31-03	
7. Historical/Other Concerns: Exposure Rates > 1 R/hr may exist Following Operations with High Intensity Protons at Various Limiting Apertures (e.g., E20, F5, F10, J10, and L20 in the AGS Ring, and at C5, F5, and F6 in the Booster Ring).			
8. Signature of Initiator: Ray Karol 07-31-02 Signature on File			
9. Conditions that will void RWP: None			
10. Job Review: • Pre-Job Review • Pre-Job Briefing Work Control Coordinator to Consult with Building Manager and/or Supervisor when assigning tasks. All work performed in Radiation Fields > 100 mRem, notify Health Physics.	11. Estimated Dose: Highest Individual: <u>20</u> mRem • Per Entry Collective: <u>200</u> mRem • Per Job	12. Attachments: • Radiological Survey Form • Other: <u>Pre-Job Review</u> <u>C-A OPM-ATT 9.5.11</u> <u>See SI (1)</u>	13. Training Requirements: • Radiation Worker I (RWT 002) • Other: <u>C-A Access</u> <u>See SI (2)</u>
14. Work Controls: • Facility Support Coverage <div style="text-align: right;">See SI (3)</div> • Limiting Conditions See SI (4) • Other: See SI (5)	15. Protective Equipment: • Not Applicable	16. Dosimetry: • TLD • Self Reading Dosimeter <div style="text-align: center;">• Digital</div> • Alarming Dosimeter (Dose Alarm Setpoint = 18 mrem)	17. Check Out Instructions: An Activation Check is Required for All Materials Removed From These Primary Beam Areas (Linac Tunnel, Booster Ring, and AGS Ring). <u>Read and Follow All Postings.</u>
18. Special Instructions (SI): (Including Facility Specific Training) (1) Follow Guidance in OPM 9.5.11, C-A Procedure for Entry to Posted High Radiation Areas. (2) Visitors may be escorted by a trained and authorized C-A escort in accordance with C-A OPM 2.16. (3) When work is to be performed in Radiation Fields > 100 mRem/Hr., notify Health Physics prior to entry. Only one notification per job is required. (4) Limiting Condition #1: No single entry shall result in more than 20 mR per person. Multiple entries for one job shall be planned so that they do not result in greater than 20 mR per person or a Job-Specific RWP is required. Limiting Condition #2: This RWP is not for work in Radiation Fields > 1000 mR hr ⁻¹ , in posted Contamination Areas, Work with the potential to disperse or generate radioactive contamination such as Cutting, Grinding, and Drilling. Handling or exposure to tritiated water, or unapproved alterations of radiation barriers. (5) Review appropriate radiological survey prior to commencing work.			
19. Signatures Approvals:		Department	Life Number
Facility Support Representative or Designee: Charles Schaefer Signature on File		RCD	21150
Other (Department Specific): Edward T. Lessard Signature on File		C-A	14255
20. Close-Out Signature (FS Representative):			